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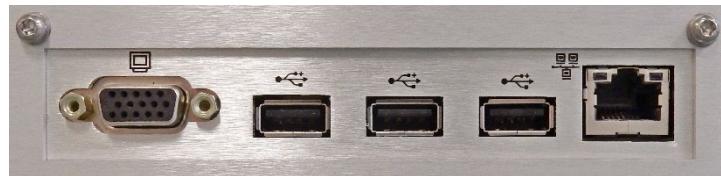
Memory Erase Information and Procedures v6.0

This document supercedes the Keysight RF Switch Chassis Letter of Volatility v5.0 memory erase procedures and adds the P0700 Linux-based RF Switch Chassis products equipped with the Smart Switch Controller.

Products Covered in this Certificate:

- L8990M-xxx Modular Chassis (When equipped w/Smart Switch Controller)
- Z2091C-xxx Switch Matrix
- L8990A/B/C/D/E-xxx RF Switch Matrices (When equipped w/Smart Switch Controller)

If the rear of the chassis is in this configuration (RGB connector – P600):



Smart Switch Controller (RGB)

Follow these memory erase procedures:

Memory Type: NAND Flash	Memory Size: 196MB
Memory Function: State storage	
User Modifiable: (Y/N): Yes	Volatile (Y/N): No
Memory Erase Processes: SYSTem:SECurity:IMMEDIATE	Memory Size: 64MB
Memory Function: OS	
User Modifiable: (Y/N): No	Volatile (Y/N): No
Memory Erase Processes: (none)	

Memory Type: RAM	Memory Size: 512MB
Memory Function: Generic RAM for SoC	
User Modifiable: (Y/N): No	Volatile (Y/N): Yes
Memory Erase Processes: Cycle Power	

Memory Type: EEPROM	Memory Size: 32KB
Memory Function: Configuration information	

User Modifiable: (Y/N): No	Volatile (Y/N): No
Memory Erase Processes: (none)	

Memory Type: EEPROM	Memory Size: 2KB
Memory Function: Drive channel configuration information	
User Modifiable: (Y/N): No	Volatile (Y/N): No
Memory Erase Processes: (none)	

If the rear of the chassis is in this configuration (Display Port connector – P700):



Smart Switch Controller (Display Port)

Follow these memory erase procedures:

P700 Controller

Memory Type: RAM	Memory Size: 4GB
Memory Function: Internal process RAM, not user accessible	
User Modifiable: (Y/N) No	Volatile (Y/N): Yes
Memory Erase Processes: Cycle Power	

Memory Type: eMMC Flash Memory	Memory Size: 16GB
Memory Function: /firmware/bin – application storage, not user accessible	
User Modifiable: (Y/N) No	Volatile (Y/N): N
Memory Erase Processes: None	
Memory Function: /firmware/data – configuration files, not user accessible	
User Modifiable: (Y/N) No	Volatile (Y/N): N
Memory Erase Processes: None	
Memory Function: /firmware/user – user storage	
User Modifiable: (Y/N) Yes	Volatile (Y/N): N
Memory Erase Processes: SYST:SEC:IMM	

Memory Type: Flash	Memory Size: 8MB
Memory Function: Secure Data Store (model/serial #s)	
User Modifiable: (Y/N) No	Volatile (Y/N): No
Memory Erase Processes: None	

Carrier-IO Board Z2091-68031

Memory Type: EEPROM	Memory Size: 32KB
Memory Function: Switch/device information store	
User Modifiable: (Y/N) N	Volatile (Y/N): No
Memory Erase Processes: None	

Memory Type: EEPROM	Memory Size: 32MB
Memory Function: FPGA code, not user accessible	
User Modifiable: (Y/N) No	Volatile (Y/N): No
Memory Erase Processes: None	

Memory Type: EEPROM	Memory Size: 512B
Memory Function: Not used, not user accessible	
User Modifiable: (Y/N) No	Volatile (Y/N): No
Memory Erase Processes: None	

34945EXT: (If so equipped)

Memory Type: EEPROM	Memory Size: 8KB
Memory Function: All channel/bank/tether configuration information	
User Modifiable: (Y/N): Yes	Volatile (Y/N): No
Memory Erase Processes: SYSTem:RMODULE:RESET <slot> resets to factory defaults	

Memory Type: Flash	Memory Size: 64KB
Memory Function: Flash Isp/Ipv for microprocessor program	
User Modifiable: (Y/N): No	Volatile (Y/N): No
Memory Erase Processes: (none)	

Memory Type: SRAM	Memory Size: 1KB
Memory Function: Internal processor RAM not user accessible	
User Modifiable: (Y/N): Yes	Volatile (Y/N): Yes
Memory Erase Processes: Cycle Power	

Z2091-66538: (If so equipped)

Memory Type: EEPROM	Memory Size: 32KB
Memory Function: Currently unused. Added for future capability.	
User Modifiable: (Y/N): No	Volatile (Y/N): No
Memory Erase Processes: None	

Select one of the following:

- Sanitization process is documented above**
- Sanitization process could be available with engineering resources
- Sanitization process is not possible (i.e. sanitize the product by destruction)

Document Change Log

- 11/12/19 - Revision 2.0 - adds additional memory information not contained in v1.0 of the procedure.
- 1/22/20 – Revision 3.0 - adds Mini-E memory information.
- 3/9/20 – Options added.
- 10/28/20 – Revision 4.0 - L8990M Modular Chassis family added.
- 5/24/22 – Z2091-66538 Rev 003 Table Updated. Footer Revised.
- 5/27/22 – Standard RF Chassis Family added.
- 01/11/24 – Revision 6.0 Updated to add P700 Smart Switch Controller.